NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-GSB3 Date: 26-06-2021

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

TEST RESULTS

1. **Gradation Test:**

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
75.00	**100.00**	100
53.00	**98.45**	80-100
26.50	**79.60**	55-90
9.50	**53.15**	35-65
4.75	**40.70**	25-50
2.36	**18.25**	10-20
0.85	**7.55**	2-10
0.425	**3.45**	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 4th Cross Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Date: 26-06-2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	0.42 %	Not more than 2.0 %
2.	Liquid Limit, %	18.74	Not more than 25.0 %
3.	Plasticity Index, %	NP	Not more than 6.0 %
4.	Moisture Content, %	6.53	----------
5.	Aggregate Impact Value, %	28.76	Not more than 40.00 %

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-GSB4 Date: 30-06-2021

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

TEST RESULTS

1. **Gradation Test:**
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
75.00	**100.00**	100
53.00	**94.80**	80-100
26.50	**78.35**	55-90
9.50	**56.15**	35-65
4.75	**42.60**	25-50
2.36	**18.25**	10-20
0.85	**6.90**	2-10
0.425	**4.15**	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Balaji Layout Cross Road 03

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Date: 30-06-2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.41 %**	Not more than 2.0 %
2.	Liquid Limit, %	**18.65**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.49**	----------
5.	Aggregate Impact Value, %	**28.85**	Not more than 40.00 %

Asst. Executive Engineer
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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-W1 Date: 05-07-2021

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**97.15**	95-100
26.50	---	-
22.40	**71.25**	60-80
11.20	**54.40**	40-60
4.75	**32.15**	25-40
2.36	**24.60**	15-30
0.600	**19.35**	8-22
0.075	**3.85**	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Chamundi Layout 3rd Cross Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Date: 05-07-2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**27.86%**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**28.39%**	Not more than 35.0 %
3.	Water absorption, %	**0.42 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

Asst. Executive Engineer
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BBMP, Bangalore - 92

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-W2 Date: 07-07-2021

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
(Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.)
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

TEST RESULTS

1. Gradation Test:
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	98.35	95-100
26.50	---	---
22.40	74.15	60-80
11.20	56.10	40-60
4.75	34.45	25-40
2.36	23.60	15-30
0.600	18.05	8-22
0.075	3.25	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 3rd Cross Road A

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BBMP, Bangalore - 92

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Date: 07-07-2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**27.56%**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**28.71%**	Not more than 35.0 %
3.	Water absorption, %	**0.42 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

Asst. Executive Engineer
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BBMP, Bangalore - 92

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-W3 Date: 09-07-2021

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	96.40	95-100
26.50	---	-
22.40	73.15	60-80
11.20	51.25	40-60
4.75	35.65	25-40
2.36	24.80	15-30
0.600	16.30	8-22
0.075	4.15	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 7th Cross Road

Asst. Executive Engineer
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Date: 09-07-2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**27.55%**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**28.36 %**	Not more than 35.0 %
3.	Water absorption, %	**0.42%**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

20.7.21

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-W4 Date: 12-07-2021

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	97.15	95-100
26.50	---	-
22.40	73.25	60-80
11.20	57.40	40-60
4.75	34.15	25-40
2.36	25.60	15-30
0.600	19.35	8-22
0.075	3.85	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 4th Cross Road A

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Date: 12-07-2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	27.89%	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	28.36%	Not more than 35.0 %
3.	Water absorption, %	0.42 %	Not more than 2.0 %
4.	Plasticity Index, %	NP	Not more than 6.0 %

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT Bangalore

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-W5 **Date: 14-07-2021**

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	98.35	95-100
26.50	---	-
22.40	75.15	60-80
11.20	52.10	40-60
4.75	35.45	25-40
2.36	22.60	15-30
0.600	17.05	8-22
0.075	3.25	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 5th Cross Road

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Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Date: 14-07-2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	27.56%	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	28.79%	Not more than 35.0 %
3.	Water absorption, %	0.42 %	Not more than 2.0 %
4.	Plasticity Index, %	NP	Not more than 6.0 %

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-W6 Date: 16-07-2021

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	98.40	95-100
26.50	---	-
22.40	75.15	60-80
11.20	53.25	40-60
4.75	31.65	25-40
2.36	24.80	15-30
0.600	19.30	8-22
0.075	4.15	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 5th Cross Road A

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Date: 16-07-2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	27.69%	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	28.16 %	Not more than 35.0 %
3.	Water absorption, %	0.42%	Not more than 2.0 %
4.	Plasticity Index, %	NP	Not more than 6.0 %

Asst Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT Bangalore

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-W7 Date: 17-07-2021

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**97.15**	95-100
26.50	**---**	-
22.40	**73.25**	60-80
11.20	**56.40**	40-60
4.75	**33.15**	25-40
2.36	**25.60**	15-30
0.600	**17.35**	8-22
0.075	**3.85**	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 6th Cross Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
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Date: 17-07-2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	27.85%	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	28.39%	Not more than 35.0 %
3.	Water absorption, %	0.42 %	Not more than 2.0 %
4.	Plasticity Index, %	NP	Not more than 6.0 %

Asst. Executive Engineer
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NEWZEN CONSULTANT Bangalore

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/W5-BK-W8 Date: 19-07-2021

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to roads and drains at Balaji Layout,Krishnanagara, Poojamahalakshmilayout, Chamundi Layout and Surrounding rea in Ward No.05 (Jakkur) Byatarayanapura Sub division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G. Jayaram.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	96.35	95-100
26.50	---	-
22.40	74.15	60-80
11.20	52.10	40-60
4.75	35.45	25-40
2.36	23.60	15-30
0.600	17.05	8-22
0.075	3.45	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 7th Cross Road A

Asst. Executive Engineer
Project Division
Yelahanka Zone
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TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**27.51%**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**28.76%**	Not more than 35.0 %
3.	Water absorption, %	**0.42 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

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